

2006 ISAT Grade 5
Mathematics
Short Response Item #1

State Goal 9: Geometry

Standard 9A: Properties of Single Figures and Coordinate Geometry

Assessment Objective 9.5.08: Identify and sketch parallel, perpendicular, and intersecting lines.

1

Draw a rectangle in your answer document, and label the vertices *E*, *F*, *G*, and *H*.
List all the pairs of line segments that are parallel.

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Short Response Item #2

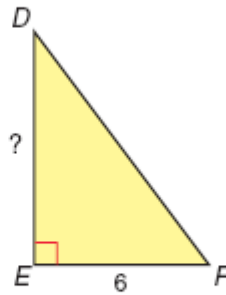
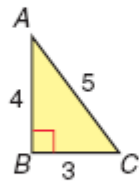
State Goal 9: Geometry

Standard 9B: Relationships Between and Among Multiple Figures

Assessment Objective 9.5.14: Determine if figures are similar, and identify relationships between corresponding parts of similar figures.

2

Triangle ABC is similar to triangle DEF .



Find the measure of \overline{DE} . Show your work.

**2006 ISAT Grade 5
Mathematics
Extended Response Item**

State Goal 8: Algebra

Standards 8C, 8D: Writing, Interpreting, and Solving Equations

Assessment Objective 8.5.09: Solve word problems involving unknown quantities.

1

There were 84 students at a party. Square tables and round tables were used for seating. Each square table had 8 seats, and each round table had 10 seats.

How many square tables and round tables could have been used so that all 84 students had a seat and there were no empty seats?

Show all your work. Explain in words how you found your answer. Tell why you took the steps you did to solve the problem.